



FIG. 2A

(no change)

CONSENSUS:	ggatacagtc	ggtctgaccc	cgggggagtc	acccggggac	aggcygwcaa	ggyccttggtc	60
CEF94-A:	.....	.....	.....	.....	...C.t...	..t.....	60
D6948-A:	.....	.....	.....	.....	...t.a...	..C.....	60
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	caggatggaa	ctcctccttc	tacaaygcta	tcattgatgg	tyagtagaga	tcagacaaaac	120
CEF94-A:	.....	.....	...C...	.....	..C.....	.....	120
D6948-A:	.....	.....	...t...	.....	..t.....	.....	120
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	gatcgacg	atgacraacc	tgcaagatca	aacccaacag	attgttcggt	tcatacggag	180
CEF94-A:	.....	...a...	.....	.....	.....	.....	180
D6948-A:	.....	...g...	.....	.....	.....	.....	180
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	ccttctgatg	ccaacaaccg	gaccggcgctc	cattccggac	gacaccctrg	agaagcacac	240
CEF94-A:	.....	.....	.....	.....	.....g...	.....	240
D6948-A:	.....	.....	.....	.....	...a...	.....	240
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	tctcaggtca	gagacctcga	cctacaattt	gactgtgggg	gacacagggt	cagggctaata	300
CEF94-A:	.....	.....	.....	.....	.....	.....	300
D6948-A:	.....	.....	.....	.....	.....	.....	300
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	tgctcttttctc	cctggwtctc	ctgggtcaat	tgtgggtgct	cactacacac	tcagagagcaa	360
CEF94-A:	.....	...a...	.....	.....	.....	.....	360
D6948-A:	.....	...t...	.....	.....	.....	.....	360
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	tgggaaactac	aagttcgatc	agatgctcct	gactgccccag	aacctaccgg	ccagytacaa	420
CEF94-A:	.....	.....	.....	.....	.....	...t...	420
D6948-A:	.....	.....	.....	.....	.....	...C...	420
TY89-A:	-----	-----	-----	-----	-----	-----	

2B
FIG. 2A (Contd.)

CONSENSUS:	ctactgcagg	ctagtgagtc	ggagtctcac	agtgagggtca	agcacactyc	ctgggtggcgt	480
CEF94-A:	.....	.....	.....	.....	.....t.	.....	480
D6948-A:	.....	.....	.....	.....	.....C.	.....	480
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	ttatgcacta	aayggcacca	taaagccgt	gaccttcaa	ggaagcctga	gtgaactgac	540
CEF94-A:	.....	..C.....	.....	.....	.....	.....	540
D6948-A:	.....	..t.....	.....	.....	.....	.....	540
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	agatgttagc	tacaatgggt	tgatgtctgc	aacagccaac	atcaacgaca	aaatygggaa	600
CEF94-A:	.....	.....	.....	.....	.....	....t....	600
D6948-A:	.....	.....	.....	.....	.....	....C....	600
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	cgtcctagta	ggggaagggg	tmaccgtcct	cagcttacc	acatcatatg	atcttgggta	660
CEF94-A:	.....	.....	..C.....	.....	.....	.....	660
D6948-A:	.....	.....	..a.....	.....	.....	.....	660
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	tgtgagrcty	ggtgacccca	ttcccgcwat	agggctygac	ccaaaaatgg	tagcmacatg	720
CEF94-A:	.....g..t	.....	.....a..	.....t..	.....	....C....	720
D6948-A:	.....a..C	.....	.....t..	....C....	.....	....a....	720
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	tgacagcagt	gacaggccca	gagtctacac	cataactgca	gccgatgatt	accaattctc	780
CEF94-A:	.....	.....	.....	.....	.....	.....	780
D6948-A:	.....	.....	.....	.....	.....	.....	780
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	atcacagtac	caascagggtg	gggtaacaat	cacactgttc	tcagcyaaaya	tygatgccat	840
CEF94-A:	.....	..C.....	.....	.....	....C..C..	..t.....	840
D6948-A:	.....	..g.....	.....	.....	....t..t..	..C.....	840
TY89-A:	-----	-----	-----	-----	-----	-----	

FIG. 2A (Contd.)- 2C

CONSENSUS:	cacaagcctc	agcrttyggg	gagarctcgt	gtttcaaca	agcgtccamg	gccttrtact	900
CEF94-A:	.....	..g.t....	....g....	.....	.....C.	.....g....	900
D6948-A:	.....	..a.C....	....a....	.....	.....a.	.....a....	900
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	gggygcyacc	atctacctya	taggctttga	tgggacwgcg	gtaatcacca	grgctgtggc	960
CEF94-A:	...C.C...	.....C.	.....	.....a...	.....	..g.....	960
D6948-A:	...t.t...	.....t.	.....	.....t...	.....	..a.....	960
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	cgcaracaat	gggctracgr	cgggcacyga	caaccttwtg	ccattcaatm	ttgtgattcc	1020
CEF94-A:	...a....	....g...a	.....C..	.....t..	.....a	.....	1020
D6948-A:	...g....	....a...g	.....t..	.....a..	.....C	.....	1020
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	aacmarcgag	ataaccagc	caatcacatc	catcaaaactg	gagatagtga	cctccaaaag	1080
CEF94-A:	..a.a....	.....	.....	.....	.....	.....	1080
D6948-A:	..C.g....	.....	.....	.....	.....	.....	1080
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	tggtggtcag	gcrgggggtc	agatgtcrtg	gtcrgcaagw	gggagcctag	cagtgcagat	1140
CEF94-A:	.....	..a.....	.....g..	..g.....a	.....	.....	1140
D6948-A:	.....	..g.....	.....a..	..a....t	.....	.....	1140
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	ccayggtggc	aactatccag	gggccctccg	tcccgtcacr	ctagtrgcct	acgaaagagt	1200
CEF94-A:	..t.....	.....	.....	.....g	.....g	.....	1200
D6948-A:	..C.....	.....	.....	.....a	.....a	.....	1200
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	ggcaacagga	tcygtcgtta	cggtcgcygg	ggtgagcaac	ttcgagctga	tcccaaattcc	1260
CEF94-A:	.....	..C.....	.....t..	.....	.....	.....	1260
D6948-A:	.....	..t.....	.....C..	.....	.....	.....	1260
TY89-A:	-----	-----	-----	-----	-----	-----	

FIG. 2A (Contd.)- 2D

CONSENSUS:	tgaactagca	agaacctgg	tyacagaata	cgcccgattt	gacccaggag	ccatgaacta	1320
CEF94-A:	.....	.....	.t.....	.....	.....	.....	1320
D6948-A:	.....	.....	.C.....	.....	.....	.....	1320
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	cacaaaattg	atactgagtg	agagggaccg	tcttggcatc	aagaccgtmt	ggccaacaag	1380
CEF94-A:	.....	.....	.....	.....	.....C.	.....	1380
D6948-A:	.....	.....	.....	.....	.....a.	.....	1380
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	ggagtacact	gactttcgyg	artacttcat	ggagggtggcc	gacctcaact	ctccccctgaa	1440
CEF94-A:	.....	.....t.	.a.....	.....	.....	.....	1440
D6948-A:	.....	.....C.	.g.....	.....	.....	.....	1440
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	gattgcagga	gcattyggct	tcaaagacat	aatccggggcc	mtaaggagga	tagctgtgct	1500
CEF94-A:	.....	.....C.	.....	.....	.a.....	.....	1500
D6948-A:	.....	.....t.	.....	.....	.C.....	.....	1500
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	ggtggtctcy	acaytgttcc	caccygccgc	tcccctagcc	catgcaattg	gggaaggtgt	1560
CEF94-A:	.....C	.t.....	...t....	.....	.....	.....	1560
D6948-A:	.....t	.C.....	...C....	.....	.....	.....	1560
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	agactacctg	ctgggcgatg	aggcacaggc	tgcttcagga	actgctcgag	ccgcgtcagg	1620
CEF94-A:	.....	.....	.....	.....	.....	.....	1620
D6948-A:	.....	.....	.....	.....	.....	.....	1620
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	aaaagcaaga	gctgcctcag	gccgcataag	gcagctract	ctgcgcgcgcg	acaaggggta	1680
CEF94-A:	.....	.....	.....	.....g...	.....	.....	1680
D6948-A:	.....	.....	.....	...a...	.....	.....	1680
TY89-A:	-----	-----	-----	-----	-----	-----	

FIG. 2A (Contd.) 2E

CONSENSUS:	cgaggtagtc	gcgaatcrt	tycagtgcc	ccagaatccy	gtagtgcag	ggattctygc	1740
CEF94-A:	.....	.....a.	.C.....	.....C	.....	.....t..	1740
D6948-A:	.....	.....g.	.t.....	.....t	.....	.....C..	1740
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	ttcacctggg	rtactccgg	gygcacacaa	cctcgactgc	gtgttragag	agggtgccac	1800
CEF94-A:	.....	g.....	.t.....	.....	.....a....	.....	1800
D6948-A:	.....	a.....	.C.....	.....	.....g....	.....	1800
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	gctattccct	gtggyatya	cgacagtga	agaygccatg	acacccaaag	caytgaacag	1860
CEF94-A:	.....	.....t..t.	.....	.....C.....	.....	.....t.....	1860
D6948-A:	.....	.....C..C.	.....	.....t.....	.....	.....C.....	1860
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	caaaatgttt	gctgtcattg	aaggcgtgcg	agaagayctc	caacctccwt	ctcaaagagg	1920
CEF94-A:	.....	.....	.....	.....C..	.....t..	.....	1920
D6948-A:	.....	.....	.....	.....t..	.....a..	.....	1920
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	atccttcata	cgaactctct	cyggacayag	agtctatgga	tatgtctccag	atggggtact	1980
CEF94-A:	.....	.....	.t.....C..	.....	.....	.....	1980
D6948-A:	.....	.....	.C.....t..	.....	.....	.....	1980
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	tccactggag	actgggagag	aytacaccgt	kgtcaccaata	gatgatgtct	gggacgacag	2040
CEF94-A:	.....	.....	.C.....	t.....	.....	.....	2040
D6948-A:	.....	.....	.t.....	g.....	.....	.....	2040
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	cattatgctg	tccaaagayc	ccatacctcc	tattgtggga	aacagyggaa	ayctagccat	2100
CEF94-A:	.....	.....t.	.....	.....	.....t....	.....t.....	2100
D6948-A:	.....	.....C.	.....	.....	.....C....	.....C.....	2100
TY89-A:	-----	-----	-----	-----	-----	-----	

FIG. 2A (Contd.)- 2F

CONSENSUS:	agcttacatg	gatgtgtttc	gacccaaagt	cccmattccat	gtggcyatga	cgggagccct	2160
CEF94-A:	.....	.....	.....	..a.....	.....t...	.....	2160
D6948-A:	.....	.....	.....	..C.....	.....C...	.....	2160
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	caaygcytrt	ggcgagattg	agaamgtrag	ctttagaagc	accaagctcg	ccactgcaca	2220
CEF94-A:	..t..t.g.	.....	..a..a..	.....	.....	.....	2220
D6948-A:	..C..C.a.	.....	..C..g..	.....	.....	.....	2220
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	ccgacttggc	ctyaagtgtg	ctggtcccgg	wgcattygay	gtraaacccg	ggyccaactg	2280
CEF94-A:	.....	..t.....	.....	a.....c.t	..a.....	..C.....	2280
D6948-A:	.....	..C.....	.....	t.....t..C	..g.....	..t.....	2280
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	ggcracgtty	atcaaacgtt	tycctcaca	tccmcgmga	tgggacaggy	tmccytacct	2340
CEF94-A:	..a.....C	.....	..C.....	..a..C...	.....C	..C..C....	2340
D6948-A:	..g.....t	.....	..t.....	..a..C...	.....C	..C..t....	2340
TY89-A:	-----	-----	..C.....	..C..a...	.....t	..a..C....	44
CONSENSUS:	caacctwccm	tayctyccac	cmamwgcwgg	acgycagtwc	sayctkgccm	tggchgcttc	2400
CEF94-A:	.....a..a	..C..t...	..C.at..a..	..C.....a	..C..t..a	.....t..a..	2400
D6948-A:	.....t..a	..C..t...	..C.at..a..	..C.....a	..g..C..g..a	.....C..t..	2400
TY89-A:	.....t..C	..t..C...	..a.ca..t..	..t.....t	..C..t..g...c	.....a..C..	104
CONSENSUS:	mgagttcaaa	gagaccccmg	aactcgarr	ygcygtsmgw	gmatggamg	cwgwcgmaaa	2460
CEF94-A:	a.....	.....C	.....gag	t..C..Ca.a	..a.....a	..a..a..C..	2460
D6948-A:	a.....	.....C	.....gag	..C..Ca.a	..C.....a	..a..a..C..	2460
TY89-A:	C.....	.....a	.....aga	..t..gc.t	..a.....C	..t..t..a..	164
CONSENSUS:	cgtsgaccca	ytrttccrmt	cwgcdctcmr	bgtsttcatg	tggytggaag	araaygggat	2520
CEF94-A:	...g.....	C.a.....aa	..t..a...ag	..t..g.....	..C.....	..g..t....	2520
D6948-A:	...g.....	C.g.....aa	..t..g...ag	..C.....	..C.....	..g..t....	2520
TY89-A:	...C.....	t.g.....gc	..a..t...ca	g..C.....	..t.....	..a..C....	224

FIG. 2A (Contd.) 26

CONSENSUS:	tgtracygay atggcyaact tgcmtctcag cgaccocgaac gcmcaymgga tgmraattt	2580
CEF94-A:	...g..t..c.....C....	2580
D6948-A:	...g..t..t.....C....	2580
TY89-A:	...a..C..C.....t....	284
CONSENSUS:	ycthgcaaay gcwccmcarg cmgmgagcaa gtcgcaragr gccaaagtayg gsacrgcwgg	2640
CEF94-A:	t..t.....C..a..a..a..a..C....	2640
D6948-A:	t..C.....C..a..a..a..a..C....	2640
TY89-A:	C..a.....t..t..C..g..C..a.....	344
CONSENSUS:	ctacggagtg gaggcymgrg gccccacdcc agargargca cagagggara aagacacacg	2700
CEF94-A:	.....	2700
D6948-A:	.....	2700
TY89-A:	.....	404
CONSENSUS:	gatctcmaag aagatggara cbatgggcat ctacttygca acaccrgaat gggtagcact	2760
CEF94-A:	.....a.....g..C.....	2760
D6948-A:	.....a.....g..t.....	2760
TY89-A:	.....C.....g.....a.....	464
CONSENSUS:	caaygggcac cgrggsccaa gccccggcca gctvaagtac tggcaraaca camgagaaat	2820
CEF94-A:	...t.....a..g.....	2820
D6948-A:	...t.....g..g.....	2820
TY89-A:	...C.....a..C.....	524
CONSENSUS:	accdgahccm aacgaggact aycyagacta ygtgcaygcr gagaagagcc ggttggcrtc	2880
CEF94-A:	...g..C..a.....t.....	2880
D6948-A:	...t..t..a.....C..t.....	2880
TY89-A:	...a..a..C.....C..C.....	584
CONSENSUS:	agaagaacar rtcytaaggg cagcyacgtc gatctacggg gctccaggac aggcwgarcc	2940
CEF94-A:	.....a..a..C.....t.....	2940
D6948-A:	.....a..a..C.....t.....	2940
TY89-A:	.....g..g..t.....C.....	644

FIG. 2A-(Contd.-) 2H

CONSENSUS:	accccaagcy	ttcatagacg	aagtygccar	rgtctatgaa	atcaaccatg	grcgtggycc	3000
CEF94-A:	.....t	.....	...t...a	.....	.....	.....	3000
D6948-A:	.....C	.....	...C...a	.....	.....	.....	3000
TY89-A:	.....C	.....	...C...g	.....	.....	.....	704
CONSENSUS:	maaccargar	cagatgaarg	ayctgctcyt	gactgcgatg	gagatgaagc	atcgcaatcc	3060
CEF94-A:	a.....a.a	.....a.	t.....t.	.....	.....	.....	3060
D6948-A:	C.....a.a	.....a.	t.....C.	.....	.....	.....	3060
TY89-A:	a.....g.g	.....g.	C.....C.	.....	.....	.....	764
CONSENSUS:	caggcgggct	cyaccaagc	cmaagccaaa	acccaatgct	ccawcacaga	gaccccctgg	3120
CEF94-A:	.....t.	.....	C.....	.....	.....	.....	3120
D6948-A:	.....C.	.....	C.....	.....	.....	.....	3120
TY89-A:	.....C.	.....	a.....	.....	.....	.....	824
CONSENSUS:	wcggctgggc	cgctggatca	ggrcbgtctc	tgaygaggac	ytkgagtgag	gywcctggga	3180
CEF94-A:	t.....	.....	..a.C....	...t.....	C.t.....	..ta.....	3180
D6948-A:	t.....	.....	..g.t....	...t.....	C.t.....	..ct.....	3180
TY89-A:	a.....	.....	..a.g....	...C.....	t.g.....	..ct.....	884
CONSENSUS:	gtctcccgac	accacccgcg	caggygtgga	caccaattmr	kmmhtaswrm	atycsaaatt	3240
CEF94-A:	.....	.....	...t.....	.....	.....	.....	3240
D6948-A:	.....	.....	...C.....	.....	.....	.....	3240
TY89-A:	.....	.....	...t.....	.....	.....	.....	944
CONSENSUS:	ggatccgttc	gcgggtccccc					
CEF94-A:	.....	.....					3260
D6948-A:	.....	.....					3260
TY89-A:	.....	.....					964